

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P799523

Luminaire Tested: **LD6C25D010 EU6259050 6LBMDDWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25D010 EU6259050 6LBMDDWMW
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

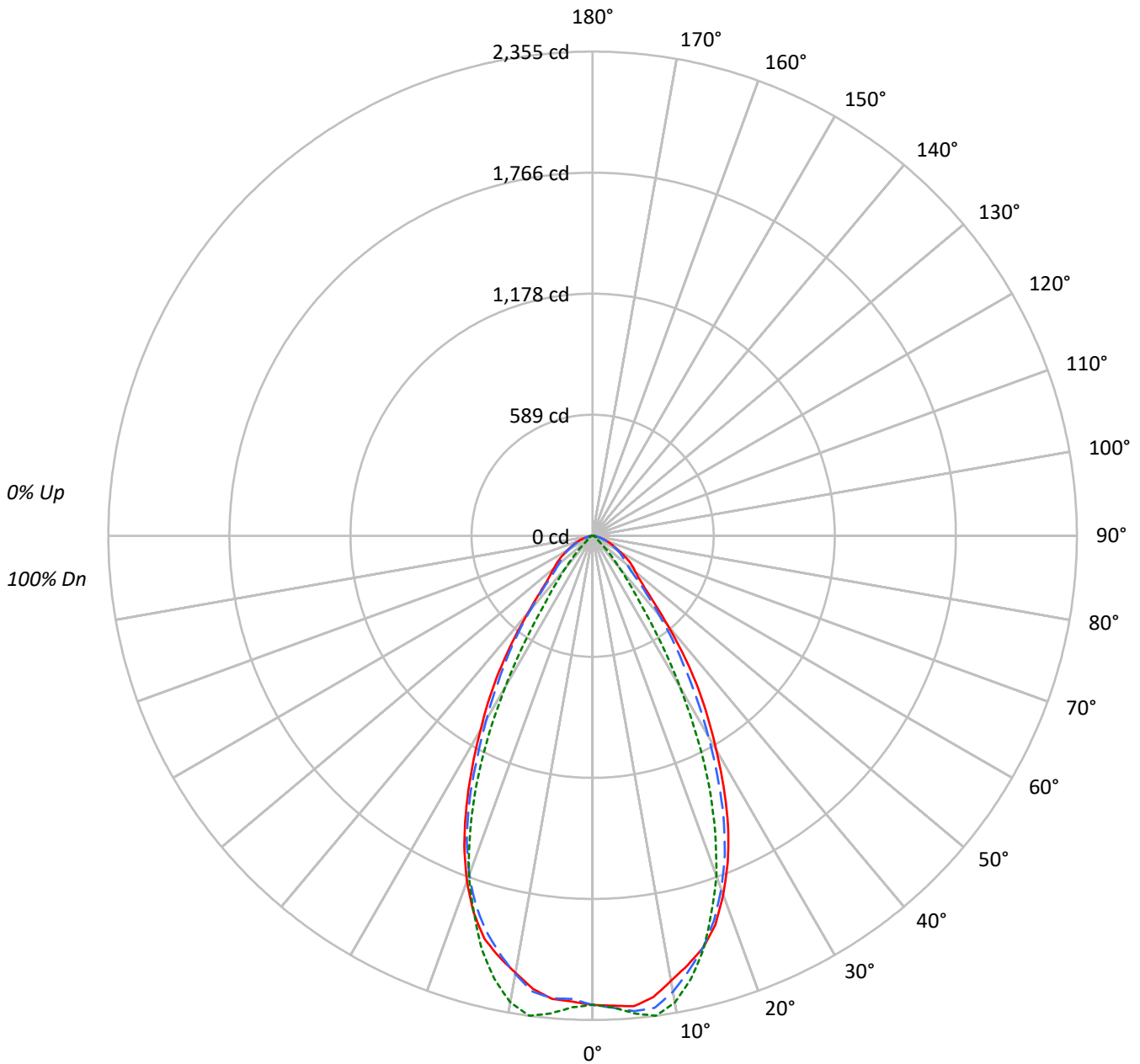
Lumens per Lamp: N/A
Luminaire Lumens: 2323.0 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	125089	125089	125089
5°	126397	128312	124416
10°	122303	128310	120171
15°	117708	118173	115205
20°	108334	102646	104274
25°	94282	80944	87822
30°	76043	53780	68985
35°	58953	27726	51805
40°	40447	14370	34887
45°	27716	7202	24475
50°	23061	3070	20989
55°	20740	2667	18742
60°	16413	2544	15657
65°	13555	2257	13400
70°	10979	2052	10979
75°	8112	2203	8599
80°	4767	1831	5114
85°	3648	2201	3648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.2	9.4
10°-20°	570.1	24.5
20°-30°	650.7	28.0
30°-40°	431.5	18.6
40°-50°	208.1	9.0
50°-60°	128.0	5.5
60°-70°	77.5	3.3
70°-80°	32.6	1.4
80°-90°	7.2	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1438.0	61.9
0°-40°	1869.6	80.5
0°-60°	2205.7	95.0
0°-90°	2323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2323.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2282	2282	2282	2282	2282	
5°	2297	2321	2332	2257	2261	216
15°	2074	2074	2082	1994	2030	578
25°	1559	1506	1338	1416	1452	707
35°	881	776	414	724	774	545
45°	358	313	93	292	316	292
55°	217	176	28	176	196	191
65°	104	100	17	94	103	105
75°	38	38	10	36	41	41
85°	6	8	4	6	6	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8
2.5°	2287.6	2291.1	2298.0	2299.2	2295.7	2273.7	2255.1	2262.1	2267.9
5°	2296.9	2303.9	2321.3	2337.5	2331.7	2294.6	2257.4	2256.3	2260.9
7.5°	2263.2	2279.5	2315.5	2356.1	2354.9	2291.1	2236.5	2222.6	2222.6
10°	2197.1	2212.2	2251.6	2306.2	2305.0	2224.9	2164.6	2157.6	2158.8
12.5°	2137.9	2144.8	2164.6	2207.5	2207.5	2128.6	2082.2	2089.1	2098.4
15°	2074.0	2078.7	2074.0	2088.0	2082.2	2017.2	1994.0	2016.0	2029.9
17.5°	1983.5	1985.8	1961.5	1942.9	1920.8	1880.2	1886.0	1918.5	1922.0
20°	1857.0	1872.1	1828.0	1780.4	1759.5	1721.2	1753.7	1789.7	1787.4
22.5°	1717.7	1735.1	1678.3	1599.3	1556.4	1541.3	1599.3	1631.8	1630.7
25°	1558.7	1571.5	1506.5	1396.2	1338.2	1335.9	1416.0	1449.6	1451.9
27.5°	1380.0	1384.6	1311.5	1167.6	1095.6	1113.0	1214.0	1260.4	1266.2
30°	1201.3	1198.9	1123.5	944.8	849.6	897.2	1033.0	1084.0	1089.8
32.5°	1037.6	1030.6	944.8	731.2	617.5	688.3	867.0	920.4	929.7
35°	880.9	869.3	776.5	540.9	414.3	520.0	724.2	770.7	774.1
37.5°	717.3	711.5	638.3	405.1	289.0	394.6	590.8	624.4	620.9
40°	565.2	565.2	504.9	300.6	200.8	293.6	467.7	497.9	487.5
42.5°	443.4	449.2	398.1	221.7	142.8	218.2	370.2	398.1	386.5
45°	357.5	357.5	313.4	164.8	92.9	162.5	292.5	318.0	315.7
47.5°	302.9	298.3	254.2	120.7	51.1	121.9	246.1	277.4	276.2
50°	270.4	263.5	218.2	95.2	36.0	101.0	215.9	244.9	246.1
52.5°	244.9	234.4	196.1	84.7	31.3	88.2	196.1	219.4	219.4
55°	217.0	211.2	176.4	75.4	27.9	78.9	176.4	197.3	196.1
57.5°	183.4	182.2	157.8	68.5	25.5	69.6	157.8	170.6	166.0
60°	149.7	154.4	137.0	61.5	23.2	62.7	134.6	145.1	142.8
62.5°	125.3	131.2	119.5	54.5	19.7	55.7	113.7	124.2	121.9
65°	104.5	109.1	99.8	46.4	17.4	46.4	94.0	103.3	103.3
67.5°	85.9	89.4	82.4	38.3	15.1	38.3	76.6	84.7	85.9
70°	68.5	70.8	65.0	30.2	12.8	31.3	60.4	68.5	68.5
72.5°	53.4	54.5	51.1	24.4	11.6	24.4	46.4	53.4	53.4
75°	38.3	40.6	38.3	18.6	10.4	18.6	36.0	39.5	40.6
77.5°	22.1	27.9	27.9	15.1	8.1	13.9	25.5	26.7	26.7
80°	15.1	17.4	19.7	10.4	5.8	10.4	16.2	17.4	16.2
82.5°	10.4	11.6	11.6	7.0	4.6	7.0	10.4	11.6	10.4
85°	5.8	8.1	8.1	5.8	3.5	4.6	5.8	7.0	5.8
87.5°	3.5	4.6	5.8	4.6	3.5	3.5	3.5	3.5	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)